

5' CAA CTC TNN TAC GAT CAC TAT AGG GAA AGC TGG TAG CCT GCA GGT ACC GGT CCG

63 72 81 90 99 108
GAA TTC CCG GGT CGA CCC ACG CGT CCG AGC GGA TCC ACC AGC TTT ATG AAA CTG
M K L

117 126 135 144 153 162
AAC ACA AGT GCC GGC AAT GTC GAT ATC TAT AAA AAA CTG TAC CAC AGT GAT GCC
N T S A G N V D I Y K K L Y H S D A

171 180 189 198 207 216
TGT TCT TCA AAA GCA GTG GTT TCT TTA CGC TGT ATA GCC TGC GGG GTC AAC TTG
C S S K A V V S L R C I A C G V N L

225 234 243 252 261 270
AAC TCA AGC CGC CAG AGC AGG ATC GTG GGC GGC GAG AGC GCG CTC CCG GGG GCC
N S S R Q S R I V G G E S A L P G A

279 288 297 306 315 324
TGG CCC TGG CAG GTC AGC CTG CAC GTC CAG AAC GTC CAC GTG TGC GGA GGC TCC
W P W Q V S L H V Q N V H V C G G S

333 342 351 360 369 378
ATC ATC ACC CCC GAG TGG ATC GTG ACA GCC GCC CAC TGC GTG GAA AAA CCT CTT
I I T P E W I V T A A H C V E K P L

387 396 405 414 423 432
AAC AAT CCA TGG CAT TGG ACG GCA TTT GCG GGG ATT TTG AGA CAA TCT TTC ATG
N N P W H W T A F A G I L R Q S F M

441 450 459 468 477 486
TTC TAT GGA GCC GGA TAC CAA GTA GAA AAA GTG ATT TCT CAT CCA AAT TAT GAC
F Y G A G Y Q V E K V I S H P N Y D

495 504 513 522 531 540
TCC AAG ACC AAG AAC AAT GAC ATT GCG CTG ATG AAG CTG CAG AAG CCT CTG ACT
S K T K N N D I A L M K L Q K P L T

549 558 567 576 585 594
TTC AAC GAC CTA GTG AAA CCA GTG TGT CTG CCC AAC CCA GGC ATG ATG CTG CAG
F N D L V K P V C L P N P G M M L Q

603 612 621 630 639 648
CCA GAA CAG CTC TGC TGG ATT TCC GGG TGG GGG GCC ACC GAG GAG AAA GGG AAG
P E Q L C W I S G W G A T E E K G K

FIGURE 1A

ACC	TCA	657	GAA	GTG	CTG	666	AAC	GCT	GCC	675	AAG	GTG	CTT	CTC	684	ATT	GAG	693	ACA	CAG	AGA	702	TGC
T	S	E	V	L	N	A	A	K	V	L	L	I	E	T	Q	R	C						
AAC	AGC	711	AGA	TAT	GTC	720	TAT	GAC	AAC	729	CTG	ATC	ACA	CCA	738	GCC	ATG	747	ATC	TGT	GCC	756	GGC
N	S	R	Y	V	Y	D	N	L	I	T	P	A	M	I	C	A	G						
TTC	CTG	765	CAG	GGG	AAC	774	GTC	GAT	TCT	783	TGC	CAG	GGT	GAC	792	AGT	GGA	801	GGG	CNT	CTG	810	GTC
F	L	Q	G	N	V	D	S	C	Q	G	D	S	G	G	X	L	V						
ACT	TCG	819	AAG	AAC	AAT	828	ATC	TGG	TGG	837	CTG	ATA	GGG	GAT	846	ACA	AGC	855	TGG	GGT	TCT	864	GGC
T	S	K	N	N	I	W	W	L	I	G	D	T	S	W	G	S	G						
TGT	GCC	873	AAA	GCT	TAC	882	AGA	CCA	GGA	891	GTG	TAC	GGG	AAT	900	GTG	ATG	909	GTA	TTC	ACG	918	GAC
C	A	K	A	Y	R	P	G	V	Y	G	N	V	M	V	F	T	D						
TGG	ATT	927	TAT	CGA	CAA	936	ATG	AGG	GCA	945	GAC	GGC	TAA	TCC	954	ACA	TGG	963	TCT	TCG	TCC	972	TTG
W	I	Y	R	Q	M	R	A	D	G	*													
ACG	TCG	981	TTT	TAC	AAG	990	AAA	ACA	ATG	999	GGG	CTG	GTT	TTG	1008	CTT	CCC	1017	CGT	GCA	TGA	1026	TTT
ACT	CTT	1035	AGA	GAT	GAT	1044	TCA	GAG	GTC	1053	ACT	TCA	TTT	TTA	1062	TTA	AAC	1071	AGT	GAA	CT	3'	

FIGURE 1B

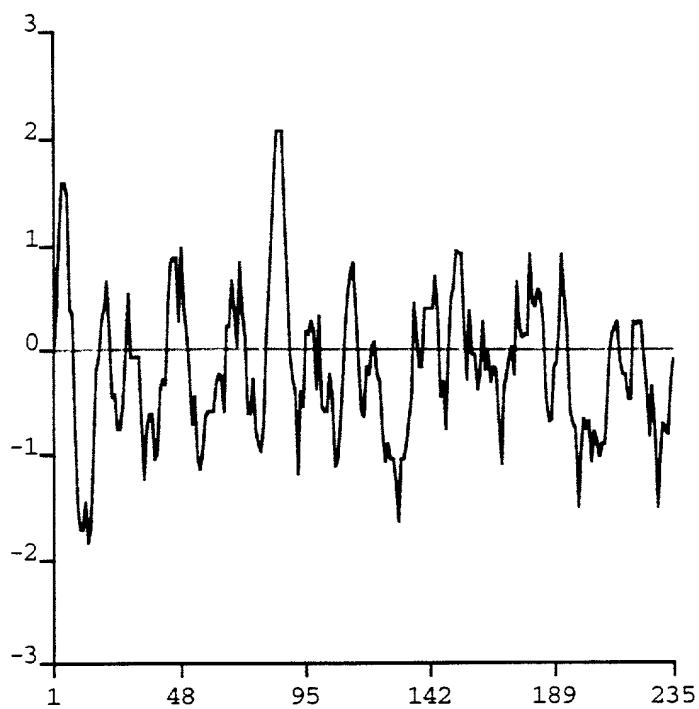


FIGURE 3

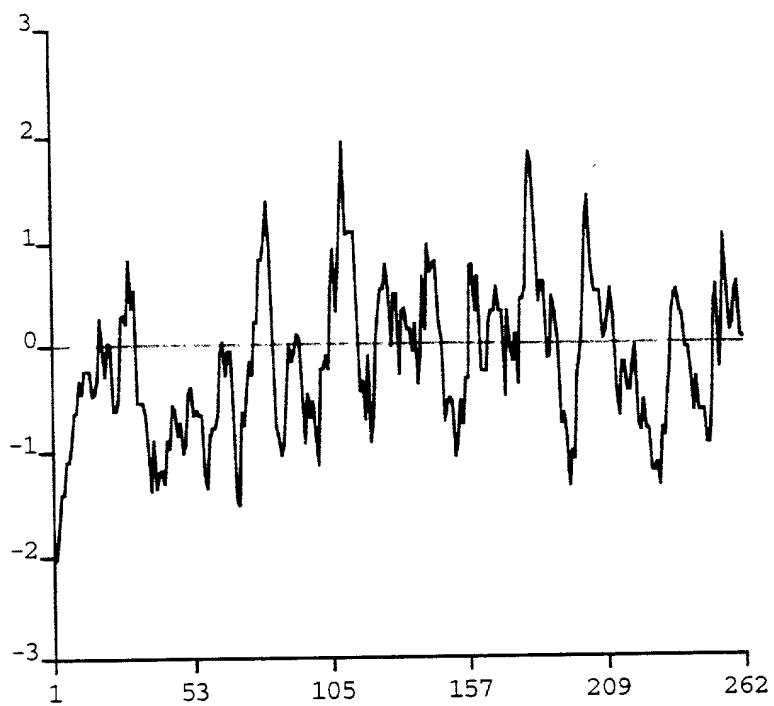


FIGURE 4